ALWACS

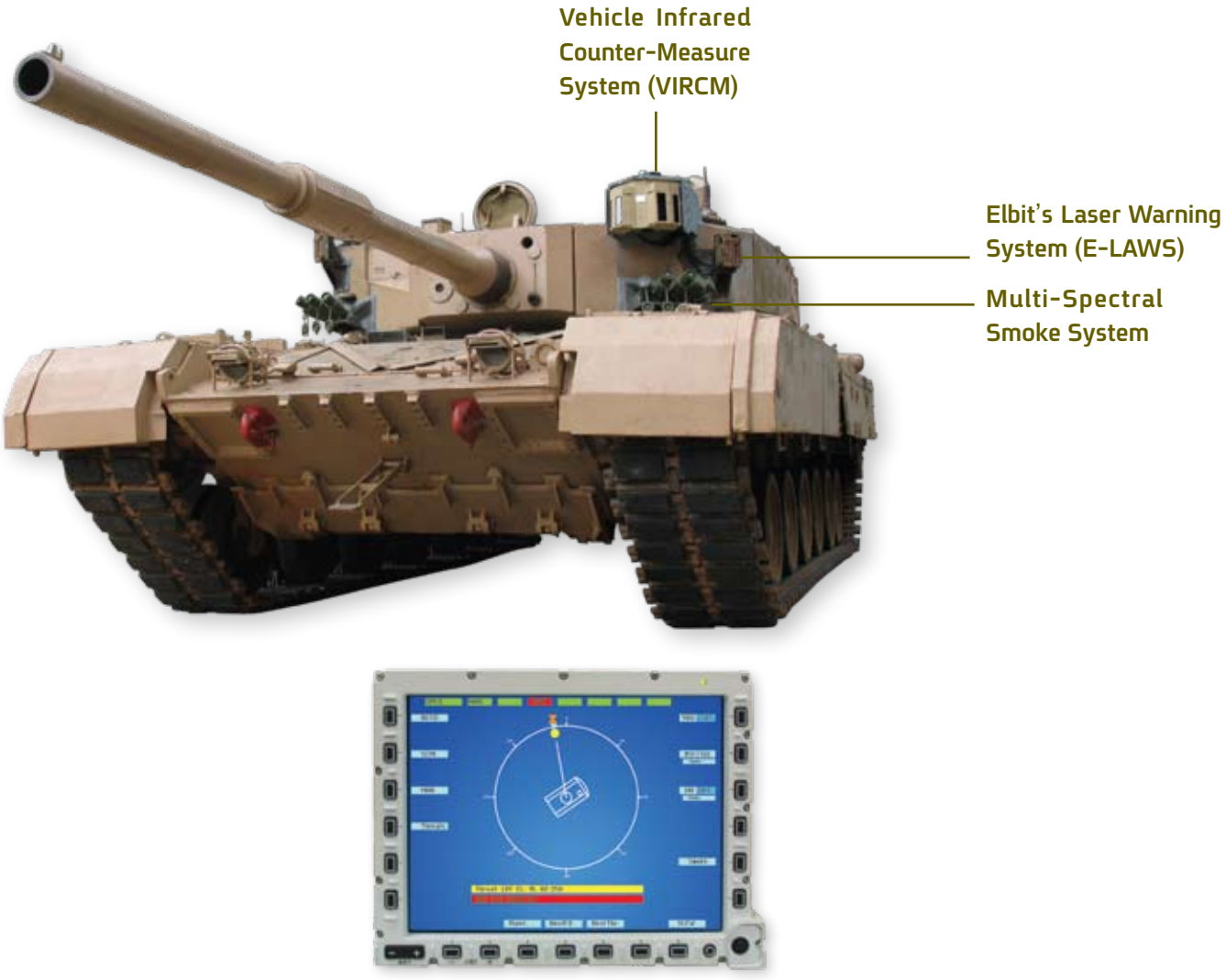
Combat proven soft-kill protection suite for fighting vehicles

Elbit Systems
Land and C4I

ALWACS

Combat proven soft-kill protection suite for fighting vehicles

- Protects against all missiles and laser guided weapons
- Integrated with full array of countermeasures including infrared and laser jamming systems, smoke grenades and decoys
- Combat-proven and in use by numerous armed forces around the world
- Customizable and adaptable to a wide range of armored fighting vehicles, tanks and others



ALWACS Components

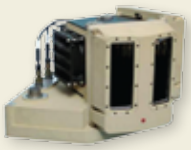
The modular and configurable components of ALWACS are adaptable to a wide variety of vehicles and requirements.

Elbit's Laser Warning System (E-LAWS)

Detects, categorizes and pinpoints laser sources such as rangefinders, designators, beam riders, infrared illuminators and trainers.

Vehicle Infrared Counter-Measure System (VIRCM)

Low profile, low signature system which provides simultaneous protection against multiple semi-automatic command to line-of-sight (SACLOS) guided missiles.



Multi-Spectral Smoke System

Provides 360-degree coverage, causes a loss of target information for the attacker with immediate interruption of line-of-sight in the visual and infrared spectrum. The smoke grenades are automatically directed and launched, independently of the turret. The system creates an optimal smoke screen allowing the crew to take evasive action or mount a counterattack.

Threat Management System

High-performance tactical computing unit and display that accurately provides direction, source and type of threat with audio and visual warnings. Supports three operational modes: manual, semi-automatic and automatic.

Advanced Missile Detection System

Detects all known threats ranging from basic missiles (e.g. AT3-Sagger) to sophisticated video-guided missiles.

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Operational Benefits

Complete Defensive Shield
Multiple and simultaneous jamming and obscuration of anti-tank guided missiles and laser-guided threats.

No Collateral Damage
Defeats oncoming threats effectively while posing minimal risk to bystanders, dismounted soldiers and equipment.

Constant Protection
360° protection, zero false-alarm rate and continuous activation while stationary and in motion.

Economical
Cost effective and requires minimal maintenance.

Networked
Fully integrated with battle management and vehicle systems.

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